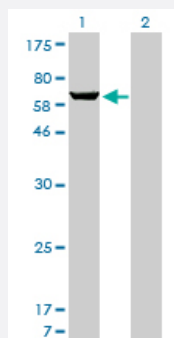


PAPSS1 monoclonal antibody (M05), clone 1F4

Catalog # H00009061-M05

Size 100 ug

Applications

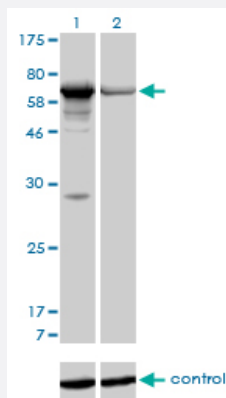


Western Blot (Transfected lysate)

Western Blot analysis of PAPSS1 expression in transfected 293T cell line by PAPSS1 monoclonal antibody (M05), clone 1F4.

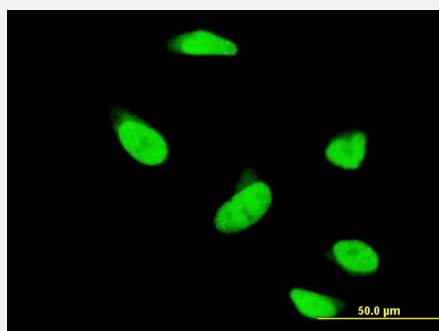
Lane 1: PAPSS1 transfected lysate(68.5 KDa).

Lane 2: Non-transfected lysate.



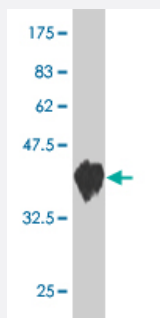
RNAi Knockdown (Antibody validated)

Western blot analysis of PAPSS1 over-expressed 293 cell line, cotransfected with PAPSS1 Validated Chimera RNAi (Cat # H00009061-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PAPSS1 monoclonal antibody (M05), clone 1F4 (Cat # H00009061-M05). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PAPSS1 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PAPSS1.
Immunogen	PAPSS1 (NP_005434, 144 a.a. ~ 252 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QIHEGASLPFFFEVFDAPLHVCEQRDVKGLYKKARAGEIKGFTGIDSEYEKPEAPELVLKTDSCTVNDVCVQQVVELLQERDMPVDASYEVKELYVPENKLHLAKTDAE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98); Rat (90)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of PAPSS1 expression in transfected 293T cell line by PAPSS1 monoclonal antibody (M05), clone 1F4.

Lane 1: PAPSS1 transfected lysate(68.5 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of PAPSS1 over-expressed 293 cell line, cotransfected with PAPSS1 Validated Chimera RNAi (Cat # H00009061-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PAPSS1 monoclonal antibody (M05), clone 1F4 (Cat # H00009061-M05). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PAPSS1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PAPSS1

Entrez GeneID [9061](#)

GeneBank Accession# [NM_005443](#)

Protein Accession# [NP_005434](#)

Gene Name PAPSS1

Gene Alias ATPSK1, PAPSS, SK1

Gene Description 3'-phosphoadenosine 5'-phosphosulfate synthase 1

Omim ID [603262](#)

Gene Ontology [Hyperlink](#)

Gene Summary Three-prime-phosphoadenosine 5-prime-phosphosulfate (PAPS) is the sulfate donor cosubstrate for all sulfotransferase (SULT) enzymes (Xu et al., 2000 [PubMed 10679223]). SULTs catalyze the sulfate conjugation of many endogenous and exogenous compounds, including drugs and other xenobiotics. In humans, PAPS is synthesized from adenosine 5-prime triphosphate (ATP) and inorganic sulfate by 2 isoforms, PAPSS1 and PAPSS2 (MIM 603005).[supplied by OMIM]

Other Designations 3-prime-phosphoadenosine 5-prime-phosphosulfate synthase 1

Pathway

- [Metabolic pathways](#)
- [Purine metabolism](#)
- [Selenoamino acid metabolism](#)
- [Sulfur metabolism](#)

Disease

- [Alcoholism](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Liver Neoplasms](#)